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L11: Entry 5 of 9   File: USPT   Mar 14, 2000

US-PAT-NO: 6038597
DOCUMENT-IDENTIFIER: US 6038597 A

TITLE: Method and apparatus for providing and accessing data at an internet site

DATE-ISSUED: March 14, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Van Wyngarden; Amy	Austin	TX	N/A	N/A

ASSIGNEE INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Dell U.S.A., L.P.	Round Rock	TX	N/A	N/A	02

APPL-NO: 9/ 009401
DATE FILED: January 20, 1998

INT-CL: [7] G06F 13/00
US-CL-ISSUED: 709/219; 707/104, 705/27
US-CL-CURRENT: 709/219; 705/27, 707/104
FIELD-OF-SEARCH: 709/202, 709/203, 709/207, 709/217, 709/219, 709/227, 709/300,
709/302, 709/303, 713/201, 713/202, 707/9, 707/10, 707/104, 707/501, 705/26,
705/27, 705/28, 705/29

REF-CITED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
4751669	June 1988	Sturgis et al.	345/115
4815030	March 1989	Cross et al.	707/10
5230048	July 1993	Moy	707/1
5416842	May 1995	Aziz	380/30
5455953	October 1995	Russell	710/266
5598536	January 1997	Slaughter, III et al.	709/219
5606668	February 1997	Shwed	713/201
5608900	March 1997	Dockter et al.	707/102
5678041	October 1997	Baker et al.	707/9
5708780	January 1998	Levergood et al.	395/200
5710887	January 1998	Chelliah et al.	705/26
5721908	February 1998	Lagarde et al.	707/10
5822518	October 1998	Ooki et al.	713/201

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY
0 848 314 A1	June 1998	EPX
0 860 763 A1	August 1998	EPX
0 863 453 A1	September 1998	EPX
WO 98/03923	January 1998	WOX

OTHER PUBLICATIONS

U.S. Ser. No. 08/919,959, Amberg et al., entitled Software Installation and Testing for a Build-to-Order Computer System filed Aug. 29, 1997, Abstract and 9 sheets of drawings.
U.S. Ser. No. 08/920,773, Amberg et al., entitled Software Installation and Testing for a Build-to-Order Computer System filed Aug. 29, 1997, Abstract and 9 sheets of drawings.
"Internet Access: Progress Software Delivers Powerful Solution for Building Internet Transaction Processing; WebSpeed Product Supported by Netscape, Sun Microsystems and Security Dynamics", EDGE: Work-Group Computing Report, Vol. 7, Sep. 30, 1996, P. 12, and also DIALOG Accession No. 01990880.

ART-UNIT: 278
PRIMARY-EXAMINER: Vu; Viet D.
ATTY-AGENT-FIRM: Haynes and Boone, L.L.P.

ABSTRACT:

An Internet information device includes a web site coupled to a first user intranet point and a second user Internet point. The first user point is coupled for providing multi-level managed information to the web site. The second user point is coupled for providing multi-level user access to the managed information such that a selected password provides user access to all of the managed information and another selected password provides user access to a limited portion of the managed information.

17 Claims, 7 Drawing figures

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L15: Entry 4 of 33   File: USPT   ·Jul 25, 2000

US-PAT-NO: 6094681
DOCUMENT-IDENTIFIER: US 6094681 A

TITLE: Apparatus and method for automated event notification

DATE-ISSUED: July 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shaffer; Shmuel	Palo Alto	CA	N/A	N/A
Beyda; William Joseph	Cupertino	CA	N/A	N/A

ASSIGNEE INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Siemens Information and Communication Networks, Inc.	Boca Raton	FL	N/A	N/A	02

APPL-NO: 9/ 053212
DATE FILED: March 31, 1998

INT-CL: [7] G06F 15/173
US-CL-ISSUED: 709/224; 709/206, 709/207
US-CL-CURRENT: 709/224; 709/206, 709/207
FIELD-OF-SEARCH: 709/224, 709/207, 709/206, 709/227, 709/223, 710/17, 710/18,
714/39, 714/47, 714/51, 379/93.24

REF-CITED:

U.S. PATENT DOCUMENTS

| Search Selected | | Search ALL |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4554418	November 1985	Toy	179/2
☐	5327684	August 1993	Record et al.	395/650
☐	5530868	June 1996	Record et al.	395/700
☐	5657372	August 1997	Ahlberg et al.	455/414
☐	5721825	February 1998	Lawson et al.	395/200.33

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY
2 213 889	March 1998	CAX

OTHER PUBLICATIONS

"A Value-Added Service with Brains" by R. Gareiss; vol. 24, No. 1, Jan. 1, 1995,

pp. 66,68, 70.
"Portable Speech-Activated, Electronic Mail System"; IBM Technical Disclosure
Bulletin, vol. 38, No. 7, Jul. 1, 1995, pp. 537-538.

ART-UNIT: 276
PRIMARY-EXAMINER: Geckil; Mehmet B.

ABSTRACT:

A method and system for automatically providing remote notification of a locally
detected event includes receiving data and analyzing the content of the data using
a data filter of a computer. The data filter is configured to detect an indication
of a predetermined event within the data. If the event is detected, the data
filter activates a local event indicator associated with the computer. An event
indicator monitor determines whether a user response is initiated within a
configurable time interval after activation of the event indicator. If the monitor
determines that no user response is initiated within the configurable time
interval, the monitor transmits an establish-connection message to a control
program. The control program responds to the establish-connection message by
accessing an event notification message from a database which indicates access
numbers of the remote communication devices to which to transmit the event
notification message. Communication links are established to the remote
communication devices and the event notification message is transmitted to the
devices. The data filter is capable of analyzing data included in web page updates
transmitted to a web browser of the computer, e-mail messages, scheduling updates
and requests transmitted to an electronic calendar of the computer, and scheduling
reminders transmitted by the electronic calendar.

11 Claims, 3 Drawing figures

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L15: Entry 8 of 33   File: USPT   May 23, 2000

US-PAT-NO: 6067565
DOCUMENT-IDENTIFIER: US 6067565 A

TITLE: Technique for prefetching a web page of potential future interest in lieu of continuing a current information download

DATE-ISSUED: May 23, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Horvitz; Eric	Kirkland	WA	N/A	N/A

ASSIGNEE INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Microsoft Corporation	Redmond	WA	N/A	N/A	02

APPL-NO: 9/ 007894
DATE FILED: January 15, 1998

INT-CL: [7] G06F 13/00
US-CL-ISSUED: 709/218; 709/234, 709/223
US-CL-CURRENT: 709/218; 709/223, 709/234
FIELD-OF-SEARCH: 709/218, 709/223, 709/234, 395/200.48

REF-CITED:

U.S. PATENT DOCUMENTS

| Search Selected | Search ALL |

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	5572643	November 1996	Judson	709/218
☐	5727129	March 1998	Barrett et al.	706/10
☐	5802292	September 1998	Mogul	709/203
☐	5832231	November 1998	Raman et al.	709/234
☐	5878223	March 1999	Becker et al.	709/223

OTHER PUBLICATIONS

Zhimei Jiang et al.; Prefetching Links on the WWW; 1997 IEEE International Conference on Comminications; pp. 483-489, Jun. 1997.
Carlos R. Cunha et al.; Determining WWW User's Next Access and Its Application to Pre-fetching; Second IEEE Symposium on Computers and Communications; pp. 6-11, Jul. 1997.
Chapter Four "Processes and Threads" of H. Custer, Inside Windows NT (.COPYRGT. 1993, Microsoft Press), pp. 83-97.
G. Cooper, "The Computational Complexity of Bayesian Inference Using Bayesian Belief Networks", Journal of Artificial Intelligence, 42 (2) :393-405, 1990.
P. Dagum et al, "Approximating Probabalistic Inference in Bayesian Networks is

np-hard", Journal of Artificial Intelligence, 60 (1) :141-153, 1993.
D. Heckerman et al, "Toward Normative Expert Systems: Part 1 The Pathfinder
Project", Methods of Information in Medicine, 31:90-105, 1992.
M. Henrion et al, "Decision Analysis and Expert Systems", AI Magazine, 12:64-91,
Winter 1992.
E. Horvitz et al, "Flexible Computation for Value of Information in Diagnostic
Reasoning", AAAI Fall Symposium on Flexible Computation, AAAI, Menlo Park, CA,
Nov. 1996.
E.J. Horvitz, et al, "Decision Theory in Expert Systems and Artificial
Intelligence", International Journal of Approximate Reasoning, 2:247-302, 1988
E.J. Horvitz, "Reasoning about beliefs and actions under computational resource
constraints", Proceedings of Third Workshop on Uncertainty in Artificial
Intelligence, pp. 429-444, Seattle, WA, Jul. 1987.
E.J. Horvitz, "Reasoning Under Varying and Uncertain Resource Constraints",
Proceedings AAAI-88 Seventh National Conference on Artificial Intelligence,
Minneapolis, MN, pp. 111-116, Morgan Kaufmann, San Mateo, CA, Aug. 1988.
E.J. Horvitz, "Rational Metareasoning and Compilation for Optimizing Decisions
under Bounded Resources", Proceedings of Computational Intelligence 89, Milan,
Italy.
M. Shwe, et al, "Probabalistic Diagnosis Using a Reformulation of the
Internist-1/QMR Knowledge Base-ii: Evaluation of Diagnostic Performance", Method
of Information in Medicine, 30:256-267, 1991.
U.S. application No. 09/007,895, Horvitz, filed Jan. 15, 1998.
U.S. application No. 09/007,900, Altschuler et al., filed Jan. 15, 1998.
U.S. application No. 09/007,901, Altschuler et al., filed Jan. 15, 1998.
U.S. application No. 09/007,902, Altschuler et al., filed Jan. 15, 1998.
U.S. application No. 09/007,898, Altschuler et al., filed Jan. 15, 1998.

ABSTRACT:

A technique that, through continual computation, harnesses available computer
resources during periods of low processing activity and low network activity, such
as idle time, for prefetching, e.g., web pages, or pre-selected portions thereof,
into local cache of a client computer. This technique utilizes, e.g., a
probabilistic user model, which specifies, at any one time, those pages or
portions of pages that are likely to be prefetched given, e.g., a web page
currently being rendered to a user; these pages being those which promise to
provide the largest benefit (expected utility) to the user. Advantageously, this
technique prematurely terminates or retards a current information download for a
user in favor of prefetching a web page of future interest to that user whenever
the latter page exhibits greater current incremental benefit to that user, in
terms of a discounted expected rate of refinement in value with time for the
future page, than a current incremental benefit being obtained for that user by
continuing the current download.

57 Claims, 26 Drawing figures

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Search Results - Record(s) 1 through 5 of 5 returned.

☐ 1.   Document ID: US 5878223 A

L16: Entry 1 of 5   File: USPT   Mar 2, 1999

US-PAT-NO: 5878223
DOCUMENT-IDENTIFIER: US 5878223 A

TITLE: System and method for predictive caching of information pages

DATE-ISSUED: March 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Becker; Craig	Austin	TX	N/A	N/A
Frank-Loron; Andrew	Yonkers	NY	N/A	N/A
McLean; James Gordon	Fuquay-Varina	NC	N/A	N/A
Pickover; Clifford Alan	Yorktown Heights	NY	N/A	N/A

ASSIGNEE INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
International Business Machines Corporation	Armonk	NY	N/A	N/A	02

APPL-NO: 8/ 852757
DATE FILED: May 7, 1997

INT-CL: [6] G06F 13/00
US-CL-ISSUED: 395/200.53
US-CL-CURRENT: 709/223
FIELD-OF-SEARCH: 395/200.3, 395/200.31, 395/200.32, 395/200.33, 395/200.47, 395/200.48, 395/200.49, 395/200.53, 395/200.55, 395/200.56

REF-CITED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
5740430	April 1998	Rosenberg et al.	395/200.33
5754939	May 1998	Herz et al.	395/200.49
5758087	May 1998	Aaker et al.	395/200.62
5799150	August 1998	Hamilton et al.	395/200.33
5802292	September 1998	Mogul	395/200.33
5806065	August 1998	Lomet	395/200.53

ART-UNIT: 277
PRIMARY-EXAMINER: Meky; Moustafa M.
ATTY-AGENT-FIRM: Percello; Louis J.

ABSTRACT:

A computer, e.g. a server or computer operated by a network provider sends one or

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Terms	Documents
(5572643| 5727129| 5802292| 5832231| 5878223)![pn]	5

Display   10   Documents, starting with Document: 5

Display Format: TI   Change Format

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L15: Entry 20 of 33   File: USPT   Sep 28, 1999

US-PAT-NO: 5958008
DOCUMENT-IDENTIFIER: US 5958008 A

TITLE: Software system and associated methods for scanning and mapping dynamically-generated web documents

DATE-ISSUED: September 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pogrebisky; Michael	Herzliya	N/A	N/A	ILX
Weinberg; Amir	Zoran	N/A	N/A	ILX

ASSIGNEE INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Mercury Interactive Corporation	Sunnyvale	CA	N/A	N/A	02

APPL-NO: 8/ 837012
DATE FILED: April 11, 1997

PARENT-CASE:
PRIORITY CLAIM This application claims the benefit of U.S. Provisional Application No. 60/028,474 titled SOFTWARE SYSTEM AND ASSOCIATED METHODS FOR FACILITATING THE ANALYSIS AND MANAGEMENT OF WEB SITES, filed Oct. 15, 1996, which is hereby incorporated by reference.

INT-CL: [6] G06F 13/00
US-CL-ISSUED: 709/223; 709/224
US-CL-CURRENT: 709/223; 709/224
FIELD-OF-SEARCH: 709/217-226

REF-CITED:

U.S. PATENT DOCUMENTS

Search Selected | Search ALL

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐ 5295261	March 1994	Simonetti	707/2
☐ 5388255	February 1995	Pytlik et al.	707/4
☐ 5515488	May 1996	Hoppe et al.	345/440
☐ 5524202	June 1996	Yokohama	707/104
☐ 5544310	August 1996	Forman et al.	714/31
☐ 5546529	August 1996	Bowers et al.	345/348
☐ 5590250	December 1996	Lamping et al.	345/427
☐ 5657438	August 1997	Wygodny et al.	395/701

OTHER PUBLICATIONS

Product Brochure For Graph Layout Toolkit from Tom Sawyer Software, 8 pages (undated).
"Getting Started" Manual for Netcarta WebMapper 1.0 for Windows NT/95, dated 1996.

User's Guide for NetCarta WebMapper 1.0 for Windows NT/95, dated 1996.
Product packaging (front and back) for NetCarta WebMapper 1.0, dated 1996.
"Getting Started" Guide for InContext WebAnalyzer 1.0, dated 1996.
Print-out of online help manual for InContext WebAnalyzer 1.0 product (taken from CD-ROM dated 1996).
Product packaging (front and back) for InContext WebAnalyzer 1.0, dated 1996.
Article titled "Top Tools to Manage your Web Site," Netguide Magazine, Apr., 1997.

Selected documents from Microsoft.com Web site describing Microsoft FrontPage 1.1, downloaded and printed on Oct. 8, 1996 (5 printed pgs.).
Document titled "XSoft Licenses Information Visualization Technology to NetCarta Corp.", dated Sep. 17, 1996, printed from NetCarta.com Website.
Press release titled "Ararat Software Announces Availability of Inwebstigator 1.0", dated Sep. 23, 1996, printed from Ararat.com Website.
Document titled "Incontext Announces Webanalyzer for Windows 95", dated Feb. 15, 1996.
Press release titled "Mercury Interactive Announces Industry's First Testing Technology for the Web", dated Jan. 1, 1996.
Press release titled "Mercury Interactive Makes Stress Testing a Web Site Simple and Affordable; Astra SiteTest Generates over 4 Million Hits Using a Single Windows 95 or NT Work Station", dated Dec. 9, 1996.
Press release titled "Out-of-Control Web Sites Made More Effective, Profitable with New Web Management Tool; Mercury Interactive's Astra Instantly Pinpoints Problems and Displays User-Behavior Patterns for Higher Qulity Web Sites", dated Oct. 9, 1996.
Press release titled "Tool For Webmasters Provides Open API For Java, C++ and Visual Basic Developers; Mercury Interactive Announces Astra -- Industry's First, Comprehensive, Graphical Web Management Tool", dated Oct. 9, 1996.
Press release titled "Webmasters Eager for Site Management Solutions Rally Around New Web Management Tool; Mercury Interactive Ships Astra SiteManager, Developers Begin Leveraging Open API", dated Dec. 9, 1996.
Product brochure for Astra SiteManager, dated 1997.
Product brochure for net.Analysis product of net.Genisis (undated).
Product brochure for CyberPilot Pro Product of NetsCarta (undated).
Article entitled "Web site management betas show major advances," dated Nov. 11, 1996 in PC Week.

ART-UNIT: 278
PRIMARY-EXAMINER: Maung; Zarni
ASSISTANT-EXAMINER: Ovedovitz; David
ATTY-AGENT-FIRM: Knobbe, Martens, Olson & Bear, LLP

ABSTRACT:

A visual Web site analysis program, implemented as a collection of software components, provides a variety of features for facilitating the analysis and management of Web sites and Web site content. A mapping component scans a Web site over a network connection and builds a site map which graphically depicts the URLs and links of the site. Site maps are generated using a unique layout and display methodology which allows the user to visualize the overall architecture of the Web site. Various map navigation and URL filtering features are provided to facilitate the task of identifying and repairing common Web site problems, such as links to missing URLs. A dynamic page scan feature enables the user to include dynamically-generated Web pages within the site map by capturing the output of a standard Web browser when a form is submitted by the user, and then automatically resubmitting this output during subsequent mappings of the site. The Web site analysis program is implemented using an extensible architecture which includes an API that allows plug-in applications to manipulate the display of the site map. Various plug-ins are provided which utilize the API to extend the functionality of the analysis program, including an action tracking plug-in which detects user activity and behavioral data (link activity levels, common site entry and exit points, etc.) from server log files and then superimposes such data onto the site

map.

39 Claims, 24 Drawing figures

DB Name	Query	Hit Count	Set Name
USPT	l14 and l11 and l4	33	L15
USPT	l13 and (l4 or l6)	926	L14
USPT	((709/223 |709/224)!.CCLS.)	926	L13
USPT	(4751669| 4815030| 5230048| 5416842| 5455953| 5598536| 5606668| 5608900| 5678041| 5708780| 5710887| 5721908| 5822518)![pn]	13	L12
USPT	l10 and (customi$ same (page or site or content)).ti,ab,clm.	9	L11
USPT	(l9 or l5) and (content or categor$)	98	L10
USPT	l8 and (web same (site or page$)).ti,ab,clm.	65	L9
USPT	l7 and (interest or web same page$).ti,ab,clm.	170	L8
USPT	l4 and l6	690	L7
USPT	((709/$)!.CCLS.)	8988	L6
USPT	l3 and l4	49	L5
USPT	interest same (visitor or user or requester)	8856	L4
USPT	(l1 or l2) and visitor	91	L3
USPT	customi$ same page	614	L2
USPT	web same page	3637	L1